

Overbay, Michael

From: Overbay, Michael
Sent: Wednesday, February 27, 2013 2:59 PM
To: Dwyer, Stacey; Dellinger, Philip; Graves, Brian; Frazier, Mike
Subject: Notes from Today's Bayou Corne Science Workgroup Call (2/27/13)

My notes from today's call are embedded within the agenda below.

From: Thomas Van Biersel [mailto:Thomas.VanBiersel@LA.GOV]
Sent: Wednesday, February 27, 2013 9:18 AM
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Cc: Brenda Miranda; Dana Naquin; Mollie Montelaro
Subject: RE: Today's Bayou Corne Science Workgroup Call

Below is today's agenda. If you have any items you wish to add to the agenda send them to me before the meeting. Please call in promptly at 2:00 p.m. to beginning the discussion at approximately 2:05 p.m.

For those of you near DNR (LaSalle Building) the call will initiate from the 12th floor conference room, if you wish to participate in person.

Call login info:

1. Choose one of the following numbers to dial:

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- * Toll-Free Number (in USA): **866-434-5269**.
- * Caller-Paid number: 216-706-7005
- * Blackberry (Toll-Free Number): 866-434-5269x2839833#

2. When prompted, enter the Meeting Access Code: **2839833#**

MEETING AGENDA 2/27/13 – 2:00 p.m. (CST)

1. Current Status/Updates

a. Bubbling Locations/Intensity Changes (CBI)

Calvin (State contractor): New bubble map with the berm in blue around the sinkhole. No new bubble sites or changes in intensity. They have measured flow at some (10) bubble locations in the past and now have estimated the flow rate from all known bubbling locations as 900 standard cubic feet per hour or 22,000 standard cubic feet per day, not including the bubbling in the sink hole, which is variable, but larger than most bubbling locations. Seismic crew has indicated gas is bubbling from the holes they drill for shot holes. TBC is going to get a sample of the gas to determine biogenic vs. thermogenic.

b. Sink Hole Changes (TBC and CBI)

Mark (TBC): There was another sloughing event on the north edge of the sinkhole on Tuesday and several more trees went down, and more oil came out. It was a relatively small event. The cracks on the pad at Oxy 3 do not appear to be changing, except there is a scarp developing along the edge of the pad towards the sinkhole that is now approximately a one foot drop.

c. Observed Seismic Activity (TBC, CERl and USGS)

Steve Horton at CERl, University of Memphis: Low frequency of microseismic events of late, but on Monday the site had a 30 hour period of the long period waves, which has since subsided. They (U of Memphis) have not yet gotten their funding to resume work, but LDNR is getting a purchase order processed to fund him.

Mark: TBC observed small events last night and suspended removing brine this morning. They are unable to equalize pressure in the cavern by bleeding brine. DOE rep Dave Borns said he had provided a paper indicating there will always be positive pressure in the cavern, based on other collapsed caverns.

d. Aquifer Relief/Vent Wells, Monitoring Wells, Geophone wells and Geoprobes (CBI and TBC)

Mark: 18 of 19 relief wells are flaring today, with a total of 27 total wells planned. 143 mcf/day are currently flaring. 7 Million CF have been flared to date.

Calvin: 18 – 1 inch monitor wells are being monitored for pressure, and other factors. 10/18 had no pressure. Most are showing relative stability on pressure. No change in chlorides in the industrial ground water wells they are monitoring, at least outside of normal historical wells.

Geophones in well 1 are online. Design for well 3 is completed. No update on monitoring wells.

e. Testing/Data Collection on OXY #3 Cavern (TBC)

Stopped pumping brine out this morning.

j. Current Seismic Survey Activities (TBC)

Calvin: 3-D seismic contractor reported yesterday they have surveyed 1800 receiver points and 1800 shot points. They have drilled 1100, 40 foot deep shot points. Approximately 15 have had gas bubbling from them, but they were loaded with the explosive charge and a bentonite slurry was placed on top of them (same as all the other shot points). Because there is no oxygen in these holes (the shot is below the water level), there should be not risk of explosion. Contractor plans to be ready by the first of April.

VSP (vertical seismic profiling) report should become available next week. Not sure about the GPR (geoprobe report?).

2. Other issues

- a. [Upcoming Workshop](#) Morning of Friday March 8th.

3. Adjourn

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